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Atty. Docket No. P66238US0

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the Application of:

Hans-Georg FRANK et al.

Group Art Unit: 1632

Serial No.: 09/750,021

Examiner: Unassigned

Filed: December 29, 2000

For: METHOD FOR THE IDENTIFICATION OF SUBSTANCE MIMICKING MAMMAL
EPITOPES

AMENDMENT

Assistant Commissioner of Patents
Washington, D.C. 20231

Sir:

In response to the Official Action dated March 6, 2001, please amend the above-identified
patent application as follows:

IN THE SPECIFICATION

Please replace Table 1, page 20, line 16 to the bottom of the page, with Table 1 as follows.

09/750,021-050301

--Table 1: Sequences of the primers for the amplification of Vh and Vk and the overlap extension PCR

Acronym	PCR: Vh and Vk
CSCVK (SEQ ID NO: 1) CKJo-B (SEQ ID NO: 2)	a) Vk 5' GTGGCCCAGGCGGCCCTGACTCAGCCGTCCTCGGTGTC3' 5'CGAAGATCTAGAGGACTGACCTAGGACGGTCAGG3'
CSVHo-F (SEQ ID NO: 3) CSCG-B (SEQ ID NO: 4)	b) Vh 5'GGTCAGTCCTCTAGATCTTCCGCCGTGACGTTGGACGAG3' 5'CTGGCCGGCCTGGCCACTAGTGGAGGAGACGATGACTTCGGTCC3'
	Overlap extension PCR
CSC-F (SEQ ID NO: 5) CSC-B (SEQ ID NO: 6)	5'GAGGAGGAGGAGGAGGAGGTGGCCCAGGCGGCCGTGACTCAG3' 5'GAGGAGGAGGAGGAGGAGGAGCTGGCCGGCCTGGCCACTAGTGGAGG3'

REMARKS

By the instant amendment, SEQ ID numbers appearing in the Sequence Listing, filed concurrently herewith, are inserted into the specification.

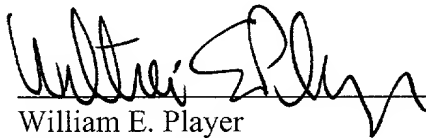
U.S. Patent Application No.: 09/750,021
Attorney Docket No.: P66238US0

The marked up version of specification Table 1, as required, is attached, hereto.

Favorable action is requested.

Respectfully submitted,

JACOBSON HOLMAN PLLC



William E. Player

Registration No. 31,409

Dated: May 7, 2001

400 Seventh Street, N.W.
Washington, D.C. 20004
Telephone: (202) 638-6666
Atty. Docket No.: P66238US0
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directions, supplied by Molecular Probes Europe B.V., Leiden, NL). After the cells have been thoroughly washed (5 x 10 minutes) to wash off any adhering residual dye which has not been integrated in the membrane, the two cell populations are mixed and commonly incubated at a low cell density in Hams F12 (10% fetal calf serum and antibiotics) under standard culturing conditions (5% carbon dioxide, 38 °C, over 90% humidity) for 24 hours. After this culturing phase, the cells were detached from the bottom of the culture dish using trypsin and suspended, and a flow cytometer was used to determine how many of the cells present have acquired double fluorescence by fusion. Figure 3 shows an example of such an evaluation of a fusion assay in a flow cytometer. Under control conditions (Figure 3a, in the presence of the non-specific phage M13), the spontaneous fusion rate is at 19%, while the GP1-specific phage clone 2 results in a decrease of the fusion rate to 11%.

Tables

Table 1: Sequences of the primers for the amplification of Vh and Vk and the overlap extension PCR

Acronym	PCR: Vh and Vk
CSCVK (Seq 20 No 1)	a) Vk
CKJo-B (Seq 20 No 2)	5' GTGGCCCAGGCGGCCCTGACTCAGCCGTCCTCGGTGTC3'
	5' CGAAGATCTAGAGGACTGACCTAGGACGGTCAGG3'
	b) Vh
CSVHo-F (Seq 20 No 3)	5' GGTCAGTCCTCTAGATCTTCCGCCGTGACGTTGGACGAG3'
CSCG-B (Seq 20 No 4)	5' CTGGCCGGCCTGGCCACTAGTGGAGGAGACGATGACTTCGGTCC3'
	Overlap extension PCR
CSC-F (Seq 20 No 5)	5' GAGGAGGAGGAGGAGGAGGTGGCCCAGGCGGCCGTGACTCAG3'
CSC-B (Seq 20 No 6)	5' GAGGAGGAGGAGGAGGAGGAGCTGGCCGGCCTGGCCACTAGTGGAGG3'